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PTO/SB/21 (09-04)
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 12

Application Number 10/533,744
Filing Date May 4, 2005
First Named Inventor Brown
Art Unit Unknown
Examiner Name Unknown
Attorney Docket Number 100886-1P US

ENCLOSURES (Check all that apply)

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| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |
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Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name
Signature
Printed name Jianzhong Shen
Date Aug 10, 2005 Reg. No. 48,076

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature
Typed or printed name Liz Ashton

Date 8/10/05

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.: 10/533,744

Confirmation No.: Unknown

Applicant: Brown *et al.*

PCT Appl. No.: PCT/SE03/01703

National Phase Fld (371): May 4, 2005

PCT Filed: November 5, 2003

Docket No.: 100886-1P US

TC/A.U.: Unknown

Customer No.: 22466

Examiner: Unknown

Title: 4(Phenyl-Piperazinyl-Methyl) Benzamide Derivatives and Their Use for the Treatment of Pain or Gastrointestinal Disorders

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Applicants submit herewith a list of patents and publications for which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO/SB/08A and SB/08B forms.

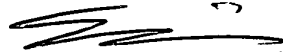
Applicants also wish to make the Examiner aware of co-pending applications:

10/714447, filed on Nov. 17, 2003;
10/477642, a PCT national phase filed on May 16, 2002;
10/533654, a PCT national phase filed on November 5, 2003; and
10/533764, a PCT national phase filed on November 5, 2003.

In accordance with 37 C.F.R. §§ 1.97 (g) and (h), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or that the information cited is material to patentability as defined in 37 C.F.R. § 1.56.

This Information Disclosure Statement is being filed before the mailing date of a first office action on the merits and therefore, pursuant to 37 C.F.R. § 1.97(b), no fee is required pursuant to 37 C.F.R. § 1.17(p).

Respectfully submitted,



Jianzhong Shen
Reg. No.48,076
302-886-8854

Dated: *Aug 10, 2005*

Enclosures: Forms SB/08A and SB/08B
References (50)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 9

Complete if Known

| | |
|------------------------|---------------|
| Application Number | 10/533,744 |
| Filing Date | 05/04/2005 |
| First Named Inventor | William Brown |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 100886-1P US |

| U. S. PATENT DOCUMENTS | | | | | |
|------------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number-Kind Code ² (if known) | | | |
| | A1 | US- 3,940,386 | 02/24/1976 | Szabo et al. | |
| | A2 | US- 5,574,159 | 11/12/1996 | Chang et al. | |
| | A3 | US- 5,681,830 | 10/28/1997 | Chang et al. | |
| | A4 | US- 5,807,858 | 09/15/1998 | Chang et al. | |
| | A5 | US- 5,854,249 | 12/29/1998 | Chang et al. | |
| | A6 | US- 6,130,222 | 10/10/2000 | Roberts et al. | |
| | A7 | US- 6,680,318 | 01/20/2004 | Brown et al. | |
| | A8 | US- 6,680,321 | 01/20/2004 | Roberts et al. | |
| | A9 | US- 6,696,447 | 02/24/2004 | Brown et al. | |
| | A10 | US- 6,784,181 | 08/31/2004 | Brown et al. | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|---|----------|--------------------------------|--|---|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | | |
| | B1 | WO | 86/04584 | 08/14/1986 | Aktiebolaget Leo | | |
| | B2 | WO | 91/07967 | 06/13/1991 | Janssen | | |
| | B3 | WO | 01/74805 | 10/11/2001 | AstraZeneca AB | | |
| | B4 | WO | 93/15062 | 08/05/1993 | The Wellcome | | |
| | B5 | WO | 97/23466 | 07/03/1997 | Astra Pharma Inc. | | |

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| Examiner Signature | Date Considered |
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| Sheet | 2 | of | 9 |
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|------------------------|---------------|
| Application Number | 10/533,744 |
| Filing Date | 05/04/2005 |
| First Named Inventor | William Brown |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 100886-1P US |

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| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|---------------------------|---|--------------------------------|--|---|----------------|
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| | | Country Code ³ | Number ⁴ Kind Code ⁵ (if known) | | | | |
| | B6 | WO | 95/04051 | 02/09/1995 | The Wellcome | | |
| | B7 | WO | 98/28270 | 07/02/1998 | Astra Aktiebolag | | |
| | B8 | WO | 98/28275 | 07/02/1998 | Astra Aktiebolag | | |
| | B9 | WO | 99/33806 | 07/08/1999 | Ortho-McNeil | | |
| | B10 | EP | 0289227 | 11/02/1988 | Syntex | | |

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**INFORMATION DISCLOSURE
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Sheet 3 of 9**Complete if Known**

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| Application Number | 10/533,744 |
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| First Named Inventor | William Brown |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 100886-1P US |

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | B11 | EP 0283310 | 09/21/1988 | Sankyo Company | | |
| | B12 | EP 0166302 | 01/02/1986 | Polindustria | | |
| | B13 | EP 0133323 | 02/20/1985 | The Wellcome | | |
| | B14 | GB 2210366 | 06/07/1989 | American Home | | |
| | B15 | GB 2076403 | 12/02/1981 | Selvi & C.S.p.A. | | |

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| First Named Inventor | William Brown |
| Art Unit | |
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| Attorney Docket Number | 100886-1P US |

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| FOREIGN PATENT DOCUMENTS | | | | | | |
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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | B16 | FR 2696744 | 04/15/1994 | Laboratoires | | |
| | B17 | DE 2431178 | 01/16/1975 | Cermol S.A. | | |
| | B18 | DE 2900810 | 07/24/1980 | Cassella AG | | |
| | B19 | JP 7-138230 | 05/30/1995 | | | |
| | B20 | WO 97/23466 | 07/03/1997 | Astra Aktiebolag | | |

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Sheet 5 of 9

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| First Named Inventor | William Brown |
| Art Unit | |
| Examiner Name | |
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|-----------------------|--------------------------|---|--------------------------------|--|---|----------------|
| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | B21 | WO 92/04338 | 03/19/1992 | The Up-John Co. | | |
| | B22 | EP 0624584 | 08/19/1998 | Daiichi | | |
| | B23 | WO 02/094794 | 11/28/2002 | AstraZeneca AB | | |
| | B24 | WO 01/45637 | 06/28/2001 | AstraZeneca AB | | |
| | B25 | WO 01/46174 | 06/28/2001 | AstraZeneca AB | | |

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

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of

9

Complete if Known

Application Number

10/533.744

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05/04/2005

First Named Inventor

William Brown

Art Unit

Examiner Name

Attorney Docket Number

100886-1P US

U. S. PATENT DOCUMENTS

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| | | Country Code ³ Number ⁴ Kind Code ⁵ (if known) | | | | |
| | B26 | WO 2005/066148 | 07/21/2005 | AstraZeneca AB | | |
| | B27 | WO 2004/041801 | 05/21/2004 | AstraZeneca AB | | |
| | B28 | WO 2004/041800 | 05/21/2004 | AstraZeneca AB | | |
| | B29 | WO 03/029215 | 04/10/2003 | AstraZeneca AB | | |
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| | | | | First Named Inventor | William Brown |
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| Sheet | 7 | of | 9 | Attorney Docket Number | 100886-1P US |

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|-----------------------|---|----------------|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | C1 | Bilsky et al., "SNC 80, A Selective, Nonpeptidic and Systemically Active Opioid Delta Agonist," J. Pharmacol. Experi. Ther. 273:359-366 (1995) | |
| | C2 | Takemori et al., "Selective Naltrexone-Driven Opioid Receptor Antagonists," Annu. Rev. Pharmacol. Toxicol. 32:239-269 (1992) | |
| | C3 | Bilsky et al., "Characterization of Enantiomers of (+) BW373U86 and Related Compounds: Highly Selective Non-Peptidic Delta Opioid Agonists," Reg. Peptides 54:25-26 (1994) | |
| | C4 | Calderon et al., "Probes for Narcotic Receptor Mediated Phenomena. 19. Synthesis of ... Opioid Receptor Agonist," J. Med. Chem. 37:2125-2128 (1994) | |
| | C5 | Calderon et al., "Probes for Narcotic Receptor Mediated Phenomena. 23. Synthesis ... Opioid-Receptor Ligands," J. Med. Chem. 40:695-704 (1997) | |
| | C6 | Chang et al., "A Novel, Potent and Selective Nonpeptidic Delta Opioid Receptor Agonist BW373U86," J. Pharmacol. Exper. Therap. 267:852-857 (1993) | |
| | C7 | Katritzky et al., "Benzotriazole-Mediated Arylalkylation and Heteroarylalkylation," Chem. Soc. Rev. 23:363-373 (1994) | |
| | C8 | Kingsbury et al., "Synthesis of Structural Analogs of Leukotriene B and their Receptor Binding Activity," J. Med. Chem. 36:3308-3320 (1993) | |
| | C9 | Lopez et al., "Exploring the Structure-Activity Relationships... Opioid Receptor Nonpeptide Agonist Ligand," J. Med. Chem. 42:5359-5368 (1999) | |
| | C10 | Plobek et al., "New Diarylmethylpiperazines as Potent and Selective Nonpeptidic Opioid Receptor Agonists with Increased In Vitro Metabolic Stability," J. Med. Chem. 43:3878-3894 (2000) | |

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| | | | | Application Number | 10/533,744 |
| | | | | Filing Date | 05/04/2005 |
| | | | | First Named Inventor | William Brown |
| | | | | Art Unit | |
| | | | | Examiner Name | |
| Sheet | 8 | of | 9 | Attorney Docket Number | 100886-1P US |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|-----------------------|---|----------------|--|
| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² | |
| | C11 | Suggs et al., "Facile Synthesis fo 8-Substituted Quinolines," J. Org. Chem., 45:1514-1515 (1980) | | |
| | C12 | Zhang et al., "Probes for Narcotic Receptor Mediated Phenomena. 26. Synthesis ... Opioid Receptor Ligands," J. Med. Chem. 42:5455-5463 (1999) | | |
| | C13 | English Abstract for Reference B16 on PTO/SB/08A, Page 4 | | |
| | C14 | English Abstract for Reference B17 on PTO/SB/08A, Page 4 | | |
| | C15 | English Abstract for Reference B18 on PTO/SB/08A, Page 4 | | |
| | C16 | English Abstract for Reference B19 on PTO/SB/08A, Page 4 | | |
| | C17 | Burkey et al., "The Efficacy of Delta-Opioid Receptor-Selective Drugs," Medline Abstract for Life Sci. 62:1531-1536 (1998) | | |
| | C18 | Nagase et al., "The Pharmacological Profile of Delta Opioid Receptor Ligands, (+) and (-) TAN-67 on Pain Modulation," Medline Abstract for Life Sci. 68:2227-2231 (2001) | | |
| | C19 | Green, "Protective Groups in Organic Synthesis," pgs. 267-268 and 331 (1981) | | |
| | C20 | Abstract for HU 217619. A corresponding English language PCT application is cited as Reference B1 listed on PTO/SB/08A, Page 1 | | |

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| | | | | First Named Inventor | William Brown |
| | | | | Art Unit | |
| | | | | Examiner Name | |
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